

20000418.qrp v01_n795.qrl.20000418

Date: Tue, 18 Apr 2000 19:03:10 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1795

QRP-L Digest 1795

Topics covered in this issue include:

- 1) [68091] hearing weak signals & MDS
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 2) [68092] More Milliwatt Fun, Part 2
by "Cam Hartford" <camqrp@cyberg8t.com>
- 3) [68093] RE: Pocket Mail
by "Bruce Hopkins - KL7H" <kl7h@gci.net>
- 4) [68094] Milliwatt Contest - AL7FS (Red Lantern Award???)
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 5) [68095] Re: Milliwatt Contest - AL7FS (Red Lantern Award???)
by AdamN7YA@aol.com
- 6) [68096] mWatt contest
by "Dieter \ (Diz\) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>
- 7) [68097] Official Notice: May is W8KC Month
by "Paul R. Valko" <prvalko@oakland.edu>
- 8) [68098] Re: Manhattan construction thoughts
by Wa3ptg@aol.com
- 9) [68099] Amazing Price
by radioham@home.com
- 10) [68100] Re: Manhattan construction thoughts
by Wa3ptg@aol.com
- 11) [68101] Last Place
by ac5ez@webtv.net (K1zw)
- 12) [68102] Re: Tyvek for Scott Sled Kite (antenna hook)
by Rod Johnson <ka7you@juno.com>
- 13) [68103] Re: mWatt contest
by Marty <N5NW@midsouth.rr.com>
- 14) [68104] FS: Tuners, SCAF
by Roger Hightower <n7kt@worldnet.att.net>
- 15) [68105] Re: Amazing Price
by Wb8siw@aol.com
- 16) [68106] Re: "Uggerumph" & early spark technology
by Russ Dow <n7dw@garlic.com>
- 17) [68107] RE: A neat kit what might be interesting
by Charles Olson <jacksonharbor@worldnet.att.net>
- 18) [68108] Re: PROP: Minor Storm & Calculations
by Dan Presley <talljazz@teleport.com>
- 19) [68109] Re: Tyvek for Scott Sled Kite (antenna hook)

- by Skip <longbeard@cybernet1.com>
- 20) [68110] Uggerumph update
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 21) [68111] WTB Unbuilt Rainbow tuner
by GUARDM@aol.com
- 22) [68112] WTB: MFJ-971 Tuner
by cd25d@rhapsodysails.com (Bill Slater)
- 23) [68113] OP: Milliwatt Fun with Ft. Smith event
by "John Burnley" <burnleyia@home.com>
- 24) [68114] Re: Amazing Price
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 25) [68115] OT: Re: Amazing Price (ie HAM collectibles)
by "Mike Yetsko" <myetsko@insydesw.com>
- 26) [68116] Atlanticon
by "John Humphrey" <jhumphre@ultra-tech.com>
- 27) [68117] F.S. Ten-Tec Omni C; Wanting Triton 544
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 28) [68118] Re: OT: Re: Amazing Price (ie HAM collectibles)
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 29) [68119] Re: HW-8 part needed
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 30) [68120] Your results - Milliwatt contest
by Bob Kellogg <ae4ic@nr.infi.net>
- 31) [68121] RE: HW-8 part needed
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 32) [68122] crystal question
by Bruce Ratray <rattray@gpfn.sk.ca>
- 33) [68123] HAM LICENSE PLATES ON LEASED VEHICLES
by Laura A Fisher <wlfisher@bellatlantic.net>
- 34) [68124] RE: Uggerumph update
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 35) [68125] Re: A neat kit what might be interesting
by john@neknetwork.com
- 36) [68126] Seattle Area Dayhikes
by GUARDM@aol.com
- 37) [68127] RE: crystal question
by Karl Kanalz <KKanalz@excel.com>
- 38) [68128] Triumvirate of tortue!
by Ed Loranger <we6w@qsl.net>
- 39) [68129] Re: Amazing Price (ie HAM collectibles)
by "James C. Owen, III" <k4cgy_list@yahoo.com>
- 40) [68130] Re: Official Notice: May is W8KC Month
by Allan G Taylor <agtaylor@llnl.gov>
- 41) [68131] Re: Uggerumph update
by "Richard Brummer, K2JQ" <obvious@bestweb.net>
- 42) [68132] Re: Uggerumph update
by "George T. Baker" <w5yr@att.net>
- 43) [68133] Taps on Toroids

by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
44) [68134] Re: Triumvirate of torture!
by Ed Loranger <we6w@qsl.net>
45) [68135] Re:Tapped turns on toroids.
by Ed Loranger <we6w@qsl.net>
46) [68136] Re: Taps on Toroids
by "Mike Yetsko" <myetsko@insydesw.com>
47) [68137] Re: Taps on Toroids
by "Paul Harden, NA5N" <na5n@rt66.com>
48) [68138] Re: Amazing Price (ie HAM collectibles)
by "Bob Duckworth" <wb4mnf@atl.org>
49) [68139] OT - VE question
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
50) [68140] More Toroidal Questions
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
51) [68141] Re: OT - VE question
by "James C. Owen, III" <k4cgy_list@yahoo.com>
52) [68142] New call sign
by John AE5X <ae5x@juno.com>
53) [68143] Dallas Convention
by W5HNSQRP@aol.com
54) [68144] Re: Dallas Convention
by "Joe Spencer" <kk5na@quadj.com>
55) [68145] Re: Dallas Convention
by "Joe Spencer" <kk5na@quadj.com>
56) [68146] Re: Dallas Convention
by Lew Paceley <lew@paceley.com>
57) [68147] Toroid OOPS
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
58) [68148] Trail Friendly Qrp Rig
by "Victor Blackwell" <victor@brecnet.com>
59) [68149] Catalog with Pictures- JAMECO
by CHARLES K BROWN <n4so@juno.com>
60) [68150] Sad Day
by Monte Stark <ku7y@dri.edu>
61) [68151] Re: Tyvek for Scott Sled Kite (antenna hook)
by K2UD@aol.com
62) [68152] Re: Trail Friendly Qrp Rig
by "Rod, N0RC" <n0rc@qsl.net>
63) [68153] RE: Sad Day
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
64) [68154] SST - Extending 20M Frequency Range
by "Paul Christensen" <paulc@mediaone.net>
65) [68155] Re: [CW] Petition to FCC - Reclassify Extra
by K2UD@aol.com
66) [68156] Re: Trail Friendly Qrp Rig
by Allan G Taylor <agtaylor@llnl.gov>
67) [68157] KITS: Make Your Own Walkie-Talkie

- by Kenneth Hoglund <hoglund@wfu.edu>
- 68) [68158] Re: Trail Friendly Qrp Rig
by "K7FD" <cqdx@teleport.com>
- 69) [68159] Re: Trail Friendly Qrp Rig
by John AE5X <ae5x@juno.com>
- 70) [68160] Re:Trail Friendly QRP.
by Ed Loranger <we6w@qsl.net>
- 71) [68161] Re: Trail Friendly QRP.
by Ed Loranger <we6w@qsl.net>
- 72) [68162] Re: Sad Day
by Ray Colbert <af852@rgfn.epcc.edu>
- 73) [68163] Re: Amazing Price
by Wb8siw@aol.com
- 74) [68164] Re: Royal Order of Wouff Hong
by Wb8siw@aol.com
- 75) [68165] Tyvek
by Drbob92031@aol.com

Date: 15 Apr 2000 19:40:01 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [68091] hearing weak signals & MDS
Message-ID: <2000Apr15.194001-0400@[130.113.234.7]>

Our ears (and brain) play tricks that make MDS receiver measurements seem kinda arbitrary.
Consider that MDS includes the effect of receiver selectivity (bandwidth). When making an MDS measurement, the RMS amplitude of all the noise is measured coming out of our receiver. Such a measurement doesn't weigh one noise frequency any differently than any other noise frequency.

But our brain DOES. Our brain tends to reject noise frequencies far from the signal we're interested in. The farther away (in frequency) from the signal, the easier it is to dismiss.

What does this mean? It means that the *apparent* signal-to-noise-ratio changes with receiver bandwidth, and that MDS measurement is pessimistic for receivers with wide bandwidth. At least for us folks who actually listen to signals spewing from headphones. A signal is very easily heard that is equal to RMS noise on such a wide receiver. We're better than machines at decoding CW signals in noisy environments, given a fixed bandwidth receiver.

Conversely, it also means that a machine is better than human ears for receivers with really narrow bandwidth. This accounts for many folks being amazed at how their computers can decode PSK-31 signals too weak to be heard.

Man, I'm tempted to invoke a Nils-inspired measure of narrow-mindedness, to grade discriminating folks who can dig the really weak ones out ;-0

Anyone have an idea what the ear/brain bandwidth might be? This isn't the same as pitch discrimination, which can be very small.

Date: Mon, 17 Apr 2000 17:18:41 -0700
From: "Cam Hartford" <camqrp@cyberg8t.com>
To: <qrp-1@lehigh.edu>
Subject: [68092] More Milliwatt Fun, Part 2
Message-ID: <003f01bfa8cb\$a79bdb60\$f747cbd1@Camqrp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Group -

John, ZL1BYZ was the chap I worked Saturday night on 10 Meters with 100 mW.
Sunday morning I got an e-mail from him in which he told me he had also worked W9PNE (who else!)

Brice was running 50 mW! That brings his total up to 84 countries at the 50 mW level...

Amazing what a little power can do.

72/73,

Cam N6GA

Date: Mon, 17 Apr 2000 16:33:19 -0800
From: "Bruce Hopkins - KL7H" <kl7h@gci.net>
To: "Francis Callahan" <colcal@srv.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [68093] RE: Pocket Mail
Message-ID: <004801bfa8cd\$d7042b80\$b0a6a1d0@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang...

I picked up a Sharp Pocket Mail several weeks ago to use on our upcoming trip to the Bahamas, to keep up with our e-mail... I flew our airplane south last week and took it with me to see how it would work out... In a word it is great... The 800 number works both in the US and in Canada and I was able to send and receive my e-mails each evening using pay-phones, motel phones, etc...

The only thing it would not be good for is if you wish to receive the list as a digest... The largest a message can be is 4000 characters so you would end up truncating all the messages... Also it will not do attachments...

I am very happy with mine and having lugged a laptop across the country numerous times trying to find phone jacks to hook up to, this is far easier... Keyboard is a bit small but then it also fits in my pocket !!!

72 - Bruce - KL7H/C6A

Date: Mon, 17 Apr 2000 16:38:17 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: ad5dc@amsat.org, "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [68094] Milliwatt Contest - AL7FS (Red Lantern Award???)
Message-ID: <38FBAE79.9E568377@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Red Lantern Award for Last Place??

I am Selecting Day 3 for my entry.

=====
Claimed Score total: 1

=====

Station: AL7FS, Jim Larsen
3445 Spinnaker Drive
Anchorage, AK 99516-3424
Rig: Kenwood TS-450S at 5 watts
Ant: 40 Meter 2 element at 38 feet
STANDARD Exchange: RST AK Jim 5w

Begin Log:

Day 3; Sunday (local date), 0200Z-0600Z 4/17/2000 UTC

=====

bnd	time	call	sent/rcvd	spc	name	His/my power.
40M	0514Z	WE6W	339/549	CA	Ed	90mW 5W Points: 1

Day 3 Totals:

Points: 1

Club: 0

Spc:X1

Unique names=X1

=====

TOTAL for DAY 3 ==> (1*1*1) + 0 => 1

=====

Is there a red-lantern award for last place? :-)

73, Jim

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>
ICQ 11022915 QRP ARCI #6754 AK-QRP#3 SOC#3

Date: Mon, 17 Apr 2000 21:10:37 EDT

From: AdamN7YA@aol.com

To: qrp-l@lehigh.edu

Subject: [68095] Re: Milliwatt Contest - AL7FS (Red Lantern Award???)

Message-ID: <5b.4a0c8df.262d100d@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 4/17/2000 5:40:58 PM Pacific Daylight Time,
al7fs@pobox.alaska.net writes:

<< Red Lantern Award for Last Place?? >>

heh heh, spoken like a true Alaskan.....a little Iditarod reference never

hurt anyone. i should know since im a Red Lantern winner in most radio oriented contests. :-)

72/73/74...Adam, N7YA
Las Vegas, NV...Zone 03
QRP-L #1608, SOC #143, Y Guy #2
Code Warrior #76, Hamusician #1

Date: Mon, 17 Apr 2000 21:25:18 -0400
From: "Dieter \ (Diz\) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [68096] mWatt contest
Message-ID: <015201bfa8d4\$f5582170\$1461a518@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Well,

The Flying Pig QRP Club managed about 2 hours into the contest; lot's of fun.

Using reverse polish notation math, I calculated our points at 7,200.

<http://www.mpna.com/fpqrp/log04mw.html>

I tell ya what, I'm not sure which is worse, my IRS forms or contests :-)

Most fun was working W5JAY - he's at 1 mW; gave him 449!!!

73 & "oo's" - Dieter (DIZ) Gentzow - WB8QYY - Loveland, Ohio
Clermont County - EM79ug - near Cincinnati; 39.218N - 84.305W
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493
<http://home.cinci.rr.com/wb8qyy> [AOL-IM "wb8qyy"]

Date: Mon, 17 Apr 2000 21:33:05 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>, tentec@contesting.com
Subject: [68097] Official Notice: May is W8KC Month
Message-ID: <Pine.OSF.4.21.0004172126530.3022-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

First I heard that my Power Mites are on the cover of the Spring 2000 ARCI magazine.

Then this from the ARRL Member's Only page...

<http://www.arrl.org/members-only/extra/news/2000/04/17/1/>

Next, the May 2000 QST comes and I get a nice plug in Rich's QRP Column.

And to top it off, the 15th is my birthday and I get to spend the week with 30,000 of my closest friends at Dayton!

Wheeeeeeeee!

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Mon, 17 Apr 2000 21:56:54 EDT
From: Wa3ptg@aol.com
To: carlos.caro@lmco.com, qrp-l@lehigh.edu
Subject: [68098] Re: Manhattan construction thoughts
Message-ID: <25.4844b90.262d1ae6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

3D construction, I like that. Sounds much better than ugly.

72 DE WA3PTG
Harry (Hap) Hurst NJQRP-EPAQRP
Wilmington DE QRP-L #1464

Date: Mon, 17 Apr 2000 22:00:27 -0400
From: radioham@home.com
To: qrp-l@lehigh.edu
Subject: [68099] Amazing Price

Message-ID: <3.0.6.32.20000417220027.007a1260@24.2.2.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Now I know the stock market was too high - someone just paid \$6,655 for an antique telegraph key on E-Bay. Maybe it's a joke, but April 1 was a while ago.

Think I'll dig around in the basement and see what's lurking there.

72/73,

Steve, N4EUK
Reston, VA

Date: Mon, 17 Apr 2000 22:04:15 EDT
From: Wa3ptg@aol.com
To: wb8qyy@cinci.rr.com, qrp-1@lehigh.edu
Subject: [68100] Re: Manhattan construction thoughts
Message-ID: <64.1de4e23.262d1c9f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 4/17/00 1:23:59 PM Eastern Daylight Time,
wb8qyy@cinci.rr.com writes:

> Easy UGLY construction can be realized by using copper sticky foil available
> from stained glass window shops; I stick it on the bottom of 0.1 inch perf
> boards.

This stuff works great. I bought a supply last year, started using it for breadboard experimenting (playing), only to find that I'm allergic to the adhesive on the tape. Give it a try.

72 DE WA3PTG
Harry (Hap) Hurst NJQRP-EPAQRP
Wilmington DE QRP-L #1464

Date: Mon, 17 Apr 2000 21:07:52 -0500 (CDT)
From: ac5ez@webtv.net (K1zw)
To: qrp-1@Lehigh.EDU

Subject: [68101] Last Place
Message-ID: <5861-38FBC378-13839@storefull-111.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Reminds me of my army days 196-63. Last place award was a golden chamber
pot (in company competition)
k1zw

Date: Mon, 17 Apr 2000 22:09:50 EDT
From: Rod Johnson <ka7you@juno.com>
To: dporter@voicenet.com
Cc: qrp-l@Lehigh.EDU
Subject: [68102] Re: Tyvek for Scott Sled Kite (antenna hook)
Message-ID: <20000417.183128.4335.25.ka7you@juno.com>

Or go to almost anywhere they are doing a housing developement, and offer
a worker a cold drink or two.

Another name for it is "House-Wrap"

You can have a piece almost for the asking. I'd bet there is an end
of the roll piece in the trash pile.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

80M thru 10M with K2 s/n268 and other fine QRP rigs.

VHF thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 SOC#184 and
others

On Mon, 17 Apr 2000 18:55:01 -0400 "David Porter" <dporter@voicenet.com>
writes:

>I've been to two Home Depot stores and each one refuses to sell Tyvek

>by

>the piece. Since the roll is 9 ft by 150 ft, a roll will make 15

>kites as

>shown in April, 2000 QST.(requires a 9 ft by 10 ft piece). They want

>\$138.00 plus tax for the roll, so each of the 15 pieces would work out

>to

>about \$10.00 each give or take a little for shipping.

>

>If 15 people are interested, I'll do it. Let me know.

>

>

>On the other hand, if you know where I can get a 9 ft by 10 ft piece,

>let
>me know that too.
>
>David Porter
>dporter@voicenet.com

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 17 Apr 2000 21:15:57 -0500
From: Marty <N5NW@midsouth.rr.com>
To: qrp-l@lehigh.edu
Subject: [68103] Re: mWatt contest
Message-ID: <f9hnfsg54ks9jobj5ui4c7k8bfkj13kg00@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Oh boy, my very own contest!

:)

Marty Watt (mWatt)

--
Marty, N5NW

Lakeland (Memphis), Tennessee
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Mon, 17 Apr 2000 19:26:01 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [68104] FS: Tuners, SCAF
Message-ID: <38FBC7B9.C7A69526@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have the following items for sale, in excess to my needs:

LDG AT-11 QRO tuner, built kit in factory case, \$150.00

LDG QRP Auto-tuner, built kit in factory case, \$100.00

OHR SCAF, 75.00

All items include shipping to CONUS/Canada.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Date: Mon, 17 Apr 2000 22:46:45 EDT

From: Wb8siw@aol.com

To: radioham@home.com, qrp-1@lehigh.edu

Subject: [68105] Re: Amazing Price

Message-ID: <86.25b1eac.262d2695@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 04/17/2000 9:59:55 PM Eastern Daylight Time,
radioham@home.com writes:

<< Now I know the stock market was too high - someone just paid \$6,655 for an
antique telegraph key on E-Bay. Maybe it's a joke, but April 1 was a while
ago.

Think I'll dig around in the basement and see what's lurking there. >>

LOL Steve....the guy's probably a lid too!!

73, Jim WB8SIW

Date: Mon, 17 Apr 2000 19:47:02 -0700

From: Russ Dow <n7dw@garlic.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [68106] Re: "Uggerumph" & early spark technology

Message-ID: <38FBCCA6.934B3070@garlic.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was going to ask my mother-in-law (82) if she ever heard of the term "uggerumph" in years of yore. But she crawled back in her hidey-hole before I got a chance. Lacking her input, the tentative consensus here is that if the uggerumph is a living thing, my mother-in-law is probably it.

-- Russ N7DW

Wb8siw@aol.com wrote:

>
> Dear L.B:
>
> Perhaps some additional information on early spark technology would be
> helpful. Early Spark Transmitters produced a "damped oscillation." The
> electrical discharge of a high voltage transformer across a gap in an LC
> circuit excited the LC circuit, which then oscillated at it's resonant
> frequency. The process is not unlike ringing a bell. Tapping the bell
> starts it ringing at it's resonant frequency, and the amplitude decreases
> over a period. The more often the "clapper" rings the bell, the greater the
> average amplitude.
>
> Early spark transmitters utilized a "straight" spark gap. The audio
> frequency one would hear in a receiver was typically a result of the the
> adjustment of an interruptor or other device at the primary of the
> transformer. Typically a low, rough, note.
>
> Eventually, radio engineers figured out that one could increase the
> efficiency of the spark transmitter by placing a rotary gap in the LC
> circuit. This device was essentially a "spoked" wheel that rotated on a
> motor shaft (insulated from the motor, of course), that interrupted the spark
> at a much higher rate (e.g. ringing the bell faster). This improved
> efficiency and provided a somewhat more pleasing high frequency tone in the
> receiving operators phones; it also cut through interference easier.
>
> The "zenith" (no reference to "9ZN" intended) of spark technology was the
> "synchronous" rotary spark gap. This was typically a spark-wheel on the
> shaft of a motor that rotated at a multiple of the AC frequency at the input
> of the spark transformer primary (e.g. a multiple of 50 or 60 hz). This
> device improved efficiency above the non-synchronous rotary spark gap for two
> reasons:
>
> 1) The spark gaps were aligned at the peak of the AC wave form, therefore
> delivering more power to the LC circuit.

>
> 2) The tone was more pleasing to the ear and cut through interference better,
> since the discharges were evenly synchronized.
>
> All of this having been said, a common "trick" utilized by radio amateurs
> when sending "30" (di-di-di-dah-di-dahhhhhh) at the close of a QSO was to
> open the "transmit/receive" switch (usually a big knife witch), allowing the
> spark to die during this last prosign. The result was an unusually "growl."
> Likewise, an improperly adjusted rotary gap or an inexpensive "straight" gap
> typically had a rough, unpleasant note in the receiving operators headphones.
> Therefore, I suspect, the term "Uggerumph."
>
> By the way, the reason we refer to radiotelegraphy as "CW" is related to
> spark technology. Unlike early spark transmitters, which produced a "damped
> oscillation", vacuum tube transmitters produced an "undamped" oscillation or
> "continuous wave." Therefore, when vacuum tube transmitter technology came
> into favour in the early '20s, the term "CW" became synonomous with
> radiotelegraphy. In reality, all modern modes utilize a continuous wave, but
> we continue to associate "CW" with radiotelegraphy.
>
> Anyway, I hope that explanation of early spark transmitter technology helps.
>
> 73, Jim WB8SIW

Date: Tue, 18 Apr 2000 06:05:09 +0000
From: Charles Olson <jacksonharbor@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [68107] RE: A neat kit what might be interesting
Message-ID: <20000418060508.MVY09725.mtiwmhc23.worldnet.att.net@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>of the Edward R.
>Hamilton Bookseller remaindered book list. I've found

Nils -

I also have discolored fingertips from perusing that
catalog.

I've sent away for the walkie talkie book, too - \$7.95
for two cardboard cased walkie talkies was too good to
pass up.

Later, after sending off my order, I checked
BarnesandNoble.com and found that they sell the book for

a couple of dollars less (\$5.98). They also have the telephone book and another similar book with an AM radio at the same price (Build your own radio). B&N charges a little more for shipping but overall, they probably offer the better deal.

However, the wait involved with ordering from Ed. R. Hamilton is half the fun!

Best Regards,

Chuck
Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press - Ham Radio Kits and more!
Washington Island, WI
jacksonharbor@att.net
<<http://jacksonharbor.home.att.net/>>

Date: Mon, 17 Apr 2000 22:16:31 -0700
From: Dan Presley <talljazz@teleport.com>
To: na5n@rt66.com
Cc: qrp-1@LeHigh.edu
Subject: [68108] Re: PROP: Minor Storm & Calculations
Message-ID: <v0300780bb5219dc2beb6@[216.26.12.7]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>THE GOOD NEWS:

>The shockwave is long past us and our magnetic field has quietted down.
>There always seems a phenomenon that right after even a minor storm,
>our geomagnetic field gets VERY quiet. So late this afternoon could be
>a good period on the higher bands, and very good conditions tonight
>on 40M. Before something else smacks us ...
>

I had my rig on 20M Sunday afternoon (4/16 local), and forgot to shut it down. At around 0700 UTC (midnight PDT), I went down to the shack to shut it off, and heard lots of signals-including a nice CW signal from Wallis Is,FW5ZL(western Pacific) calling CQ. Quick call at 5W bagged him for a new and rare (for me!)country-I was amazed that the bands could recover so quickly from the horrendous conditions of the afternoon. The band was full of good dx, and almost no stateside competition! I plan to keep a close eye on the duration of these storms from now on.

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Tue, 18 Apr 2000 01:47:38 -0600
From: Skip <longbeard@cybernet1.com>
To: qrp-l@Lehigh.edu
Subject: [68109] Re: Tyvek for Scott Sled Kite (antenna hook)
Message-ID: <3.0.6.32.20000418014738.007b7a20@mail.cybernet1.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

>On the other hand, if you know where I can get a 9 ft by 10 ft piece, let
>me know that too.

David, and the rest of the gang,

Check with any of your local contractors they often have short rolls
"left over" after a building project. Or even visiting construction sites
(house), will often lead to large pieces ready for the dumpster.

That's how I get my Tyvek ... often has other names, but still the same=
stuff!

Helps having been a carpenter, and a lot of former contractor employers,
now friends.

Skip, K=D8YWD

Date: Tue, 18 Apr 2000 08:02:57 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, towertalk@contesting.com, antennas@qth.net,
antennaware@contesting.com
Subject: [68110] Uggerumph update
Message-ID: <Pine.GS0.4.10.10004180758170.22064-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have received from ARRL HQ photos of the Uggerumph and further accounts
of its origins. I have added some speculative history on how the
instrument came to be viewed as animate and self-propelling by so many who
have written. I hope the completion of the triumvirate of torture for
rotten operating is enlightening--or at least enjoyable.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	Tel: (865) 938-6335
1434 High Mesa Drive	/	\	\	\	----	\	http://www.cebik.com
Knoxville, Tennessee	/\	\	\	\	/	/	e-mail: cebik@utk.edu
37938-4443 USA	/	\	\	\	\		e-mail: w4rnl@arrl.org

Date: Tue, 18 Apr 2000 08:39:39 EDT
From: GUARDM@aol.com
To: qrp-l@lehigh.edu
Subject: [68111] WTB Unbuilt Rainbow tuner
Message-ID: <be.2e9a710.262db18b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello All,

I'm looking for an unbuilt Rainbow tuner. If you have one please let me know what you want for it.

72/73

Mev KG9NF

Madison Wisconsin

QRP-L #2066 10X #7014 ARS #641 SOC#127

<http://www.qsl.net/kg9nf> ICQ# 49602335

"Never drive faster than the Angels can fly!" -Bumper Sticker-

Date: Tue, 18 Apr 2000 07:48:53 -0500
From: cd25d@rhapsodysails.com (Bill Slater)
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [68112] WTB: MFJ-971 Tuner
Message-ID: <002a01bfa934\$7422e260\$ba76130c@willies>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

i am looking for an MFJ 971 tuner. Anyone have one FS?

Tnx & 72's

Bill
KD5GCX
S/V Rhapsody
<http://www.rhapsodysails.com/sailing.html>

Date: Tue, 18 Apr 2000 07:59:52 -0500
From: "John Burnley" <burnleyia@home.com>
To: <qrp-1@lehigh.edu>
Subject: [68113] OP: Milliwatt Fun with Ft. Smith event
Message-ID: <000801bfa935\$fce52620\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A big pat on the back for the Ft. Smith gang in the second leg of the Milliwatt Triple Crown. A fun event and surprises everywhere on how little power is sometimes needed.

Murphy really nailed me on Friday and I could not operate the IA Club station KQORP. However the second day provided much enjoyment. I made a mistake and started out on 20 meters and now wish I chose 40. When I switched later the conditions were not good on 40 (for all signals). 20 meters provided several good contacts. I snagged VA (25mw), SC (100mw), NC (4w), OH (50mw), MD (500mw), KY (100mw), AL (5w), and TX (5w). The Iowa QRP Club call was used KQORP/c running 500mw into my Fractal Wing Loop (experimental shortened indoor loop in attic over my garage).

Conditions were horrid here the last night as well although I listened around for about the entire time. A very fun event indeed and thanks again to the Ft. Smith group.

72, John NU0V

Date: Tue, 18 Apr 2000 09:17:46 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: Wb8siw@aol.com
Cc: qrp-1@lehigh.edu
Subject: [68114] Re: Amazing Price
Message-ID: <v03102801b522100893fb@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

><< Now I know the stock market was too high - someone just paid \$6,655 for an
> antique telegraph key on E-Bay. Maybe it's a joke, but April 1 was a while
> ago.

An item in our local Charlotte, NC, paper last week reported that an
unopened can of Andy Griffith brand Baked Beans brought \$310 on eBay. A
can of
Andy Griffith Northern Beans only fetched \$250. Now if they'd been Southern
Beans ...

There is absolutely no end to the eBay madness. Better cash in on our junk
while we can.

72,

Rick kf4ar

Date: Tue, 18 Apr 2000 09:40:02 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <rerobins@email.uncc.edu>, "Low Power Amateur Radio Discussion" <qrp-
1@lehigh.edu>
Subject: [68115] OT: Re: Amazing Price (ie HAM collectibles)
Message-ID: <024201bfa93b\$9ddaf3c0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not to get too wierd here, but the advent of communications for
the masses has totally changed, make that is totally changing,
how old items are disposed of. There's just so much POSSIBLE
communication that it's easy to find a 'market' for anything. And
this especially applies to collectibles.

HAM radio is just one aspect of it. Old equipment that previously was only scroungable at flea markets or non-HAM related sales can now be categorized and brought out to where it's worth is known. And sometimes inflated.

This is happening in all kinds of markets. Amazing what is collectable now, from Dale Evans lunch boxes, to old candy boxes. People are collecting old EMPTY cartridge boxes for rare ammo. Even porn is being traded and bid on at amazing prices! And shows on cable that deal with collectibles are covering topics they would never consider before, or that the public wouldn't have considered mainstream. Heck, I even saw E.T. do a special on old Betty Page stuff! (But then, THAT was art! Hey, I know it when I see it!)

So it's not surprising when we see HAM related stuff be 'collectible' when it hits the mainstream, even when bids are from people who would never consider how the item is or was used, and who have no intention of actually placing it in service for nostalgic reasons. They just consider it one more trophy 'on the shelf'.

Mike

Date: Tue, 18 Apr 2000 09:41:54 -0400
From: "John Humphrey" <jhumphre@ultra-tech.com>
To: qrp-l@lehigh.edu
Subject: [68116] Atlanticon
Message-ID: <s8fc2dfb.052@ultra-tech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Hi Gang,

I finally finished my write-up about Atlanticon for the VQS web site, = complete with pictures. Check it out at www.qsl.net/vqs W4IM's Corner
My son and I had a really great time! I especially like the 'Shades of = Atlanticon' !!

72,73,
John W4IM QRP-L #1691
Stafford, Va.

Date: Tue, 18 Apr 2000 09:41:22 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [68117] F.S. Ten-Tec Omni C; Wanting Triton 544
Message-ID: <200004180944_MC2-A198-B1F1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Gang:

After considerable deliberation, I have decided to sell my excellent Ten-Tec Omni C transceiver. Is in excellent condition, and has been meticulously cared for. Includes all the CW filters, etc. Also have original manual, Ten-Tec power cord.

Price including insured UPS shipping = \$485.00 to CONUS. BTW, would trade for a pristine Ten-Tec 544. Interested?

This is one of the finest CW rigs I have ever used. It is exceptionally quiet and sensitive, all controls run smoothly, and the PTO is excellent. It is also a proven QRPper and DXer. Makes operating a pleasure. BTW, this rig will be ideal for FOX hunting next season.

If interested, just let me know.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
(Shipping: DSBF, 2020 Lovett Ave, Bismarck, ND 58504)
K0EVZ@arrl.net

Date: Tue, 18 Apr 2000 09:54:38 -0400 (EDT)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: Mike Yettsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68118] Re: OT: Re: Amazing Price (ie HAM collectibles)

On Tue, 18 Apr 2000, Mike Yetsko wrote:

http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com	Home of the Baltimore Lexicon
http://www.min.net/~thom/	Home of the Drake Mailing List

Date: Tue, 18 Apr 2000 09:24:19 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [68119] Re: HW-8 part needed
Message-ID: <200004181424.JAA02306@mail.lib.colum.edu>

I've heard of this problem repeatedly. So far the variables in my HW8 are holding up, no problem. But mention of the rotor stops as a source of long term damage makes me perk up my ears (eyes?) Is this really the case? Should I do something to PREVENT developing a problem in the future?

My HW8 has been backpacked, handled by Amtrak as checked baggage, kicked around on the floor of the shack once or twice, and otherwise abused. So far it still works great. The only repair it has ever had was replacing the final and a couple of diodes damaged by a power mishap.

If the rotor stops are indeed the source of "trauma" to the vanes on the main variable, perhaps I've escaped the problem by the simple fact that I never operate at the

extreme edges of the VFO range?

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-ARCI #5154 <http://www.netcom.com/~fuffle/>

Date: Tue, 18 Apr 2000 09:40:50 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68120] Your results - Milliwatt contest
Message-ID: <38FC65E2.695962BB@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

The milliwatt contests can be tough, and the one this week-end was no exception. One night there were thunderstorms in much of the east, and one night propagation was just not good.

In spite of this there were several hardy souls making contacts. Remember, this is one of three milliwatt contests, and there will be an overall winner announced. Submit your logs, no matter how skinny they look! Some of the entries in the Holiday contest only made a few contacts on one of the days submitted, but did well on another day.

With one more contest to go, there's a good chance that the overall winner could be a low scorer on the current contest.

So, submit your logs!!

to:
Ed Rowan
1450 North Main St.
Greenwood, Ar 72936

--
73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Tue, 18 Apr 2000 10:36:48 -0400

From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'ka9nzi@arrl.net'" <ka9nzi@arrl.net>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [68121] RE: HW-8 part needed
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1A78@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I put a few drops of penetrating oil on the cap's vernier drive, to help ensure that it never puts too much tension on the plates.

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St.
Newington, CT 06111
860-594-0318
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org/>.
ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----Original Message-----

From: Gary Lee Phillips [mailto:ka9nzi@arrl.net]
Sent: Tuesday, April 18, 2000 10:24 AM
To: Low Power Amateur Radio Discussion
Subject: Re: HW-8 part needed

I've heard of this problem repeatedly. So far the variables in my HW8 are holding up, no problem. But mention of the rotor stops as a source of long term damage makes me perk up my ears (eyes?) Is this really the case? Should I do something to PREVENT developing a problem in the future?

My HW8 has been backpacked, handled by Amtrak as checked baggage, kicked around on the floor of the shack once or twice, and otherwise abused. So far it still works great. The only repair it has ever had was replacing the final and a couple of diodes damaged by a power mishap.

If the rotor stops are indeed the source of "trauma" to the vanes on the main variable, perhaps I've escaped the problem by the simple fact that I never operate at the extreme edges of the VFO range?

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-ARCI #5154 <http://www.netcom.com/~fuffle/>

Date: Tue, 18 Apr 2000 08:39:11 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [68122] crystal question
Message-ID: <Pine.LNX.3.95.1000418083415.31377A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm not sure the type of crystals that I have so.....the lead lengths (pins) on them is abt 1/4 inch - the case measures 1/2 inch high by 3/8 inches wide and it's about 1/8 inch thick.....so I think they're HC25/U?...any crystal experts out there please?....thank you.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 18 Apr 2000 10:20:16 -0400
From: Laura A Fisher <wlfisher@bellatlantic.net>
To: al saldarini <alsaldarini@worldnet.att.net>, Bob Marsh <kb2sgm@home.com>, "David L. Wiesen" <wiesen@juno.com>, Dennis Sabito <AB2DX@aol.com>, Edith Aherns <agachoo@aol.com>, Gene Filipponi <omham@ix.netcom.com>, greg n <n2bsa@juno.com>, "Kc2aup@aol.com" <Kc2aup@aol.com>,
Subject: [68123] HAM LICENSE PLATES ON LEASED VEHICLES
Message-ID: <38FC6F20.BE67D011@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

PLEASE INFORM ALL MEMBERS LIVING IN NJ TO WRITE TO THEIR ASSEMBLY PERSON AND STATE SENT TO VOTE FOR THIS BILL BY SENDING THEM A QSL CARD STATING THIS
also please fowars this all members of your groups so we (the Ham population can get this passed) < as I did> tnx 72' & 73' GOD BLESS
BILL K2GVC@ARRL.NET
k3jf@worldnet.att.net wrote:

> Bill:
>

> there is nothing in front of the NJ Legislature on towers
> at this time. The Bill in front of the Assembly and soon
> to be in the Senate is a Bill changing the statutes
> concerning Ham license plates. It is Number A1593. It
> adds Amateur Radio to the plate and permits leased
> vehicles to have HAM Plates.
>
> --
> -73-K3JF
> Jeff Friedman
> Section Manager - Northern New Jersey
>
> > what was that bill you talked about on sat at the qcwa luncheon
> > on the state of nj about towers please send the info back so i
> > can tell the people in the groups i belong. such as nars, njqrp
> > qcwa, and etc. if send it i will pass it on to these groups 73's
> > bill k2gvc@arrl.net
> >

Date: Tue, 18 Apr 2000 10:41:47 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'cebik@utkux.utcc.utk.edu'" <cebik@utkux.utcc.utk.edu>, Low Power Amateur
Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68124] RE: Uggerumph update
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1A79@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

LB, let me add a confession about the related instrument, the Wouff Hong.
Over the years, the method of its application has become lost to us. Many
members have offered suggestions -- hitting over the head; cracking of the
knuckles between the two sections and a few other suggestions a bit more
colorful. :-)

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St.
Newington, CT 06111
860-594-0318
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org/>.

ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----Original Message-----

From: L. B. Cebik [mailto:cebik@utkux.utcc.utk.edu]

Sent: Tuesday, April 18, 2000 8:03 AM

To: Low Power Amateur Radio Discussion

Subject: Uggerumph update

I have received from ARRL HQ photos of the Uggerumph and further accounts of its origins. I have added some speculative history on how the instrument came to be viewed as animate and self-propelling by so many who have written. I hope the completion of the triumvirate of torture for rotten operating is enlightening--or at least enjoyable.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	Tel: (865) 938-6335
1434 High Mesa Drive	/	\	\	----	/	---	http://www.cebik.com
Knoxville, Tennessee	/\	\	\	/	/		e-mail: cebik@utk.edu
37938-4443 USA	/	\	\	\			e-mail: w4rnl@arrl.org

Date: Tue, 18 Apr 2000 10:58:37 -0400

From: john@neknetwork.com

To: jacksonharbor@worldnet.att.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [68125] Re: A neat kit what might be interesting

Message-ID: <38FC781D.E4B24A68@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hey Folks,

This kit appears to be just what the doctor ordered. I just put in my order with B&N(.com), \$9.97 with shipping.

My oldest (he's 9) has taken an interest in what I've been doing with the soldering iron and all those cool looking parts, dials and plugs. This kit looks like the perfect starter kit, and it has the bonus of

having a CW button so he can practice his CW with me on a REAL radio that he built himself... maybe we'll add keyer chip and some PC board paddles... ;)

John, KB1ENS

P.S. I also dropped my order for a DSW40 in the mail today, looking forward to that as well! Here is a picture of the SW80+ I completed about a month ago: <http://homepages.together.net/~jwag/ham/sw80open.jpg>. I mounted it in an old 3.5" disk holder so it could be pulled out and viewed. The thing on the back wall is a Tick chip and supporting parts built ugly style.

Charles Olson wrote:

>
> >of the Edward R.
> >Hamilton Bookseller remaindered book list. I've found
>
> Nils -
>
> I also have discolored fingertips from perusing that
> catalog.
>
> I've sent away for the walkie talkie book, too - \$7.95
> for two cardboard cased walkie talkies was too good to
> pass up.
>
> Later, after sending off my order, I checked
> BarnesandNoble.com and found that they sell the book for
> a couple of dollars less (\$5.98). They also have the
> telephone book and another similar book with an AM radio
> at the same price (Build your own radio). B&N charges a
> little more for shipping but overall, they probably
> offer the better deal.
>
> However, the wait involved with ordering from Ed. R.
> Hamilton is half the fun!
>
> Best Regards,
>
> Chuck
> Best Regards,
>
> Chuck Olson, WB9KZY
> Jackson Harbor Press - Ham Radio Kits and more!
> Washington Island, WI
> jacksonharbor@att.net
> <<http://jacksonharbor.home.att.net/>>

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Affordable web site hosting under your domain name!
C/C++, Perl, CGI, RDBMS, Web site creation and
Network Administration

Date: Tue, 18 Apr 2000 11:13:37 EDT
From: GUARDM@aol.com
To: qrp-l@lehigh.edu
Subject: [68126] Seattle Area Dayhikes
Message-ID: <4e.45b2f02.262dd5a1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello all,

I will be in the Seattle area the last week of July and was hoping to get a sort day hike in with my QRP rig. Any of you guys that live out there have any suggestions?

72/73,
Mev KG9NF
Madison Wisconsin
QRP-L #2066 10X #7014 ARS #641 SOC#127
<http://www.qsl.net/kg9nf> ICQ# 49602335
"Never drive faster than the Angels can fly!" -Bumper Sticker-

Date: Tue, 18 Apr 2000 10:08:25 -0500
From: Karl Kanalz <KKanalz@excel.com>
To: "'rattray@gpfn.sk.ca'" <rattray@gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68127] RE: crystal question
Message-ID: <2D343922E283D211945C0008C7A41B2A02B20A21@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Sounds more like an HC-18 style case.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Bruce Ratray [mailto:ratray@gpfn.sk.ca]
Sent: Tuesday, April 18, 2000 9:39 AM
To: Low Power Amateur Radio Discussion
Subject: crystal question

I'm not sure the type of crystals that I have so.....the lead lengths (pins) on them is abt 1/4 inch - the case measures 1/2 inch high by 3/8 inches wide and it's about 1/8 inch thick.....so I think they're HC25/U?...any crystal experts out there please?....thank you.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 18 Apr 2000 08:35:22 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [68128] Triumvirate of tortue!
Message-ID: <38FC80BA.2F4E2A69@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Absolutely wonderful collection of information, L.B.

I applaud all who helped you obtain the missing information on the uggerumf/uggerumph.

My kids got a kick out of the history and applications. I just had to read it all aloud and for the first time in agest, they were interested in my radio hobby :)

I think one version of the wouff-houng is used to place the pole vault bar back in place after a missed vault.

And snow skiers have adapted the rettysnitch for improved turns on the slopes.

Yes, these items are prevalent so we'd better keep up the A-1 operating practices.

One of these simple everyday objects can be quickly employed to correct the horrendous operator. Beware!

Now to go change the on/off switch on the
chainsaw to a J-38.....

-Ed 72

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Tue, 18 Apr 2000 09:04:26 -0700 (PDT)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [68129] Re: Amazing Price (ie HAM collectibles)
Message-ID: <20000418160426.9341.qmail@web1604.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> > So it's not surprising when we see HAM related stuff be
> 'collectible'
> > when it hits the mainstream
>
> And to fuel the fires, if we need the item that's no longer
> available in
> the traditional "ham fest, flea market, newsletter" venues, we
> get dragged
> into the bidding wars.
>

I'll wade into this with an opinion that may be a little
different from those that don't like ebay or the other auction
list. I agree that many items just go out of sight on price but
then it's the buyer and seller that sets the price. If it's too
pricey for you don't bid, I don't. I think the good thing ebay
has done for the Ham Radio community is to get those boatanchors
that have been getting dusty and rusting away in some hams
basement out to those who will display and use them. Many hams
have a DX-40 or Viking II back in the corner, they seldom go to a
ham fest and when they do they don't sell. Since they have gotten
on the I-net they have found an easy way to get rid of their
excess and those of us who have been looking for years for that
"X" rig can finally find it. It's been years since I saw more
that one Heathkit SB-101 at a hamfest but you can find 10 plus
almost any day on ebay. In general the prices that Heath's sell
for are fair, others too.

There are real bargains there if you look and be patient. I

recently got a Kenwood TS-830S that was near new in a package deal. After I got rid of all the items I didn't want I have \$75.00 in the TS-830S! Those that want to set up a nice home workshop to work on Qrp or other rigs should watch the TEST Equipment section. There are nice pieces going begging. Sometimes no bids. Many Heaths, Precision, Eico, even HP VTVM's, Sig. Gens. and others going for less than \$20.00 sometimes less than \$10.00. They worked well 20 years ago and are just as good today. Don't overlook the good buys because of the overpriced gear.

72 K4CGY
qrp-l #72

Do You Yahoo!?
Send online invitations with Yahoo! Invites.
<http://invites.yahoo.com>

Date: Tue, 18 Apr 2000 09:04:58 -0700
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [68130] Re: Official Notice: May is W8KC Month
Message-ID: <38FC87AA.3CB5@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While that may be so, Paul is not the only one to be able to claim the LUSTY month of May as his birth month.

No, no references in QST.
Nothing on the front cover of ARCI Quarterly.
Have NEVER won a QRP contest.

But I do have fun: see QRP Afield 1998
http://www.qsl.net/k7gt/k7gt_yosemite.jpg

and had a ball in Yosemite last July.
http://www.natworld.com/ars/pages/back_issues/0899_text/yosemite.html

and I have spent wo days in Concord with many of my best friends, too.

Nanner-nanner....!!

GT

--

Allan Taylor K7GT agtaylor@llnl.gov

Date: Tue, 18 Apr 2000 12:21:30 -0400
From: "Richard Brummer, K2JQ" <obvious@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.edu>,
<cebik@utkux.utcc.utk.edu>
Subject: [68131] Re: Uggerumph update
Message-ID: <008e01bfa952\$2869d4a0\$4d685ed1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

LB,

Maybe you should set up a Wouff Hong/Rettysnitch/Uggerumph section on your website.

73,
Dick K2JQ
Mahopac, NY

Date: Tue, 18 Apr 2000 11:25:50 -0500
From: "George T. Baker" <w5yr@att.net>
To: w1rfi@arrl.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68132] Re: Uggerumph update
Message-ID: <38FC8C8E.8487ACCF@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was told at my Order of the Wouff Hong initiation - gee, hope this isn't sacred material! - that The Old Man never described the manner(s) of application of the Holy Instrument, leaving those details to the fertile minds of his readers.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

"Hare, Ed, W1RFI" wrote:

>

> LB, let me add a confession about the related instrument, the Wouff Hong.
> Over the years, the method of its application has become lost to us. Many
> members have offered suggestions -- hitting over the head; cracking of the
> knuckles between the two sections and a few other suggestions a bit more
> colorful. :-)

>

> 73 from ARRL HQ,
> Ed Hare, W1RFI
> ARRL Laboratory Supervisor
> 225 Main St.
> Newington, CT 06111
> 860-594-0318
> Internet: w1rfi@arrl.org
> ARRL Web: <http://www.arrl.org/>.
> ARRL Technical Information Service: <http://www.arrl.org/tis>.

Date: Tue, 18 Apr 2000 09:50:29 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [68133] Taps on Toroids
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430997FE98@blaze.bcsc.GOV.BC.CA>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

How are toroids wound that require some of the turns to be tapped? Is there a special procedure that will allow access to the turn that is to be tapped? I don't see a problem on widely spaced turns but how is it done when the turns are right next to each other?

Doug VA7DD

Date: Tue, 18 Apr 2000 09:52:23 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>

Subject: [68134] Re: Triumvirate of torture!
Message-ID: <38FC92C7.F58621F3@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Triumvirate of torture.

So busy spelling Triumvirate, I short-sheeted
torture....

-Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Tue, 18 Apr 2000 09:58:34 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>,
Doug.Davies@gems3.gov.bc.ca
Subject: [68135] Re:Tapped turns on toroids.
Message-ID: <38FC943A.8817B36A@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Absolutely fine question, Doug.

Easy. While winding, when you arrive at the
turn to be tapped, all you do is the following:

You pull the turn tight by pulling the wire up, above
the core. You double over about 2 inches of wire and
twist it tightly down to the top of the toroid. Then
continue winding.

After you are done winding, you scrape and tin the
tap and cut to length and/or attached the wire connection
to the tap when you install the core.

-Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Tue, 18 Apr 2000 13:02:09 -0400
From: "Mike Yetzko" <myetsko@insydesw.com>
To: <Doug.Davies@gems3.gov.bc.ca>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [68136] Re: Taps on Toroids
Message-ID: <010401bfa959\$3e0a2920\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If it's a single tap, I may start at the tap point and wind out in both directions. What I do is take the wire, fold it, and twist about 1/2 inch or so tightly. Then slip it into the torroid and take a SINGLE lead and wind one side, then take the other lead and wind back the other way. I'm careful not to let the 'twisted' area onto the torroid.

Mike

> How are toroids wound that require some of the turns to be tapped? Is there
> a special procedure that will allow access to the turn that is to be tapped?
> I don't see a problem on widely spaced turns but how is it done when the
> turns are right next to each other?
>
> Doug VA7DD

Date: Tue, 18 Apr 2000 11:46:55 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68137] Re: Taps on Toroids
Message-ID: <Pine.SUN.4.10.10004181142570.26616-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 18 Apr 2000, Davies, Doug A FOR:EX wrote:

> How are toroids wound that require some of the turns to be tapped?

Obviously you didn't build a St. Louis Tuner! I about died making all those taps :-)

Seriously, when you get to the point where you need a tap, pull out about an inch of wire, loop it back and twist a bit, then continue on with the remaining turns ... remembering to keep winding in the same direction of course. When done, you have this inch or so wire sticking out. Cut off the excess and strip the enamel from the two wires, solder together for the tap.

72, Paul NA5N

Date: Tue, 18 Apr 2000 13:48:53 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68138] Re: Amazing Price (ie HAM collectibles)
Message-ID: <200004181750.NAA25878@hat-trick.atl.org>

Some guys prefer to spend a grand a night enticing their favorite stripper home. Don't they know they can get a Russian bride with good teeth and a PHd for airfare? Yes, amazing!

Date: Tue, 18 Apr 2000 13:18:36 -0500
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [68139] OT - VE question
Message-ID: <0974781F4FC8D211A24600902727E806011B20E6@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

My sincere apologies to those that feel I should not post this to the list. I have since deleted the original question and do not have the persons email address.

Doesn't the FCC allow a person to send the code at the specified speed to qualify? I believe this is so. That way a hearing impaired person could qualify without having to synchronize some device to a VE's tape player.

Hal

Date: Tue, 18 Apr 2000 11:22:58 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [68140] More Toroidal Questions
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430997FE99@blaze.bcsc.GOV.BC.CA>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks for the scoop on setting up the tap points on a toroid. I think I have it pictured in my mind how to do it now.

Another question regarding toroids. I'm building an SWR indicator from a circuit described in the QRP Notebook. It requires a 1uH RF choke. Rather than buying one of these, can I wind one on a toroid? I have some info that says I can get 1uH by winding 14 turns of #28 wire on a T50-2 core. Will this serve the same purpose as a store bought 1uH RF choke? In other words, will the toroidal one work in this application as opposed to an axial lead part?

Doug VA7DD

Date: Tue, 18 Apr 2000 11:37:13 -0700 (PDT)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: hdeitz@ms.rose.cc.ok.us
Cc: qrp-l@lehigh.edu
Subject: [68141] Re: OT - VE question
Message-ID: <20000418183713.539.qmail@web1609.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> Doesn't the FCC allow a person to send the code at the
> specified speed to
> qualify? I believe this is so. That way a hearing impaired
> person could
> qualify without having to synchronize some device to a VE's
> tape player.

>

> Hal

>

No 'fraid not Hal. In fact if it weren't for the accommodative procedures for the handicapped everyone would have to copy by ear since section 97.503(a) states that "A telegraphy examination must be sufficient to prove that the examinee has the ability to send correctly by hand and to receive correctly by EAR texts in the international Morse code....." The sending test has been dropped since "the FCC has found that anyone able to receive the code can send it as well".

Got to be able to receive somehow at 5 wpm, sorry!

Do You Yahoo!?

Send online invitations with Yahoo! Invites.

<http://invites.yahoo.com>

Date: Tue, 18 Apr 2000 15:19:14 -0400

From: John AE5X <ae5x@juno.com>

To: qrp-l@lehigh.edu

Cc: kf2ew@juno.com, n1itf@99main.com, kc2fmk@arrl.net

Subject: [68142] New call sign

Message-ID: <20000418.151914.10638.2.ae5x@juno.com>

It's shorter on CW, that's why!

AA5YX is now AE5X.

Web page address has also changed - see below:

John Harper, AE5X

HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20

Outdoor QRP <http://www.qsl.net/ae5x/index.html>

Date: Tue, 18 Apr 2000 09:41:48 EDT

From: W5HNSQRP@aol.com

To: qrp-l@lehigh.edu

Subject: [68143] Dallas Convention

Message-ID: <ca.386d218.262dc01c@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Would someone please pass on the URL for Hamcomm2000. Taking stabs at it

brings up tons of geneology info.

Also....is there any detailed info on the QRP activities yet?

Henry W5HNS
Pasadena, Texas

Date: Tue, 18 Apr 2000 14:52:13 -0500
From: "Joe Spencer" <kk5na@quadj.com>
To: <W5HNSQRP@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68144] Re: Dallas Convention
Message-ID: <001101bfa96f\$975e0ad0\$5901060a@us95305252>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is the info page for QRP

72.3 joe KK5NA

----- Original Message -----
From: <W5HNSQRP@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, April 18, 2000 8:41 AM
Subject: Dallas Convention

> Would someone please pass on the URL for Hamcomm2000. Taking stabs at it
> brings up tons of geneology info.
>
> Also....is there any detailed info on the QRP activities yet?
>
> Henry W5HNS
> Pasadena, Texas
>

Date: Tue, 18 Apr 2000 14:52:58 -0500
From: "Joe Spencer" <kk5na@quadj.com>
To: <W5HNSQRP@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68145] Re: Dallas Convention
Message-ID: <001501bfa96f\$b29311b0\$5901060a@us95305252>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is the info page URL really....
<http://www.quadj.com/hamcom2k.htm>

72.3 Joe KK5NA

----- Original Message -----

From: <W5HNSQRP@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, April 18, 2000 8:41 AM
Subject: Dallas Convention

> Would someone please pass on the URL for Hamcomm2000. Taking stabs at it
> brings up tons of geneology info.
>
> Also.....is there any detailed info on the QRP activities yet?
>
> Henry W5HNS
> Pasadena, Texas
>

Date: Tue, 18 Apr 2000 15:19:50 -0500
From: Lew Paceley <lew@paceley.com>
To: W5HNSQRP@aol.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68146] Re: Dallas Convention
Message-ID: <00ed01bfa974\$149b8460\$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

The site... <http://www.hamcom.org>
And the program schedule... <http://www.hamcom.org/Programs.asp>

Lew
K5LEM

----- Original Message -----

From: <W5HNSQRP@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, April 18, 2000 8:41 AM

Subject: Dallas Convention

> Would someone please pass on the URL for Hamcomm2000. Taking stabs at it
> brings up tons of geneology info.
>
> Also....is there any detailed info on the QRP activities yet?
>
> Henry W5HNS
> Pasadena, Texas

Date: Tue, 18 Apr 2000 13:25:05 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [68147] Toroid OOPS
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430997FE9C@blaze.bcsbc.GOV.BC.CA>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

My aged eyesight must be failing me. It is indeed a 1mH RF choke not 1uH
:-(. I just thought if I could make one, it would be better than ordering
ONE choke from a distributor. The shipping would cost more than the part!!

One of the replies I received said to just use a ferrite bead with a few
turns of wire on it and that the value was not critical. Maybe I should
just experiment with what I have (which isn't much) and see what happens. I
will check out Radio Shack here and see if they have anything that might
work. Our store isn't very well stocked, however. It's part of a furniture
store and is really only a sideline for them.

Doug VA7DD

Date: Tue, 18 Apr 2000 16:31:07 -0400
From: "Victor Blackwell" <victor@bretnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [68148] Trail Friendly Qrp Rig
Message-ID: <000301bfa975\$07514e60\$3e5730d1@pavilion>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

Can someone recommend a "Trail Friendly" qrp rig for my backpacking and other portable/battery operations? Cw, of course.

Vic AD8K/qrp

Date: Tue, 18 Apr 2000 14:45:55 +0100
From: CHARLES K BROWN <n4so@juno.com>
To: qrp-l@Lehigh.edu
Subject: [68149] Catalog with Pictures- JAMECO
Message-ID: <20000418.144712.4734.9.N4S0@juno.com>

A good catalog with pictures to cross-reference and identify parts--

Jameco Electronic Components
<http://www.jameco.com>
info@jameco.com

1 800- 536-4316

Ken Brown N4S0
Mobile, AL EM50tk
NorCal-20 at 5 watts
4 ele. yagi

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 18 Apr 2000 13:50:54 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [68150] Sad Day
Message-ID: <Pine.GS0.4.10.10004181340070.8068-1000000@rotor.dri.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Just got back from a few days at the lake.

Going through about 350 messages and noticed that many were "jabbing" back and forth about such silly things as CW speeds for licensing and even on licensing itself.....

Here is what came into my mine:

Getting all worked up and arguing about such trivial things is just plain silly! It's just a big waste of time and what little time we each have here on earth should be spent doing constructive things. NOT arguing!

What brings me to post this??

Remember that great little Grummin S2 aircraft that does some cloud seeding and research for us?

Well, when I got back into town Monday afternoon I got a phone call that the S2 had crashed Monday AM, killing all 3 on board.

One of the owners sons (the owner was one of those on board) had just had another big argument with his dad the day before. He was at the site within a couple of minutes of the crash and the last thing he will remember about his Dad is how he looked laying there twisted in the wreckage, not about how they had patched up their differences!

He will never get a chance to make amends.

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Tue, 18 Apr 2000 16:58:22 EDT
From: K2UD@aol.com

To: qrp-1@lehigh.edu
Subject: [68151] Re: Tyvek for Scott Sled Kite (antenna hook)
Message-ID: <a3.4d6dc88.262e266e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For an alternative to Tyvek for kite-building purposes, check out fabric stores for rip-stop nylon in beautiful colors. The same (and sailcloth) appears in kite catalogs and is the favorite of kite builders.

72

Howard Kraus, K2UD

Date: Tue, 18 Apr 2000 15:02:12 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: <victor@brecnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68152] Re: Trail Friendly Qrp Rig
Message-ID: <029001bfa979\$6e27c3e0\$9e101004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Vic:

For my money you can't beat the DSW series from Small Wonder Labs, www.smallwonderlabs.com. Or, The Norcal 40 & SST series from Wilderness Radio, <http://www.fix.net/jparker/wild.html>. These rigs are small, light weight, easy on power consumption and good performers. Fun to build too! ;-)

FWIW: I ran my DSW-40 for two hours on an 8-pack of "AA" batteries and was still putting out about 0.5-1W.

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----
From: Victor Blackwell <victor@brecnet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, April 18, 2000 2:31 PM
Subject: Trail Friendly Qrp Rig

> Hello all,
>
> Can someone recommend a "Trail Friendly" qrp rig for my backpacking
and
> other portable/battery operations? CW, of course.
>
> Vic AD8K/qrp

Date: Tue, 18 Apr 2000 17:05:28 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68153] RE: Sad Day
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1A84@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

What we sometimes fail to realize as amateurs, and as people, I guess, is that the things that we have in common are so much more than the things we do not have in common.

As hams, we all share a love of radio and electronics and of antennas and of operating -- we all speak the same language and have experienced the same thrill of that first contact and the mystical experience of listening to the very sound of the earth's ionosphere as signals fade in and out in the wee hours of the morning. We all want to see amateur radio continue and flourish; we all want to see 40 meters remain a ham band; we all feel excitement if we see a story about ham radio in our local newspaper, or see a callsign on the license plate in front of us.

We all turn our heads as we are driving down the highway and see a tribander tucked in amongst the trees, or standing proud in a midwest farm field. We all feel proud to be hams when we see one of our astronauts on TV, using ham radio to talk to school kids across the nation, or when we think of just how much ham radio meant to the astronauts stuck on MIR for so many months.

We are all so proud when we read about how hams in Florida responded when the big one swept through the state, and all hope that we measure up if our turn comes to be that important to our communities.

Sure, we have our differences -- some love code, others hate it; some love QRP, and others do not, but no matter what those minor differences may be, we are all moved by the same magic of ham radio that everyone here knows and understands. And in the face of that magic, the petty differences in opinion about CW testing just seem to melt away. There is just so much to

love and so much to be proud of and so much that is really important that we all share as a common bond.

We have all had our say about the restructuring; the FCC has made its decision and nothing about that decision has taken anything away from me or will change one single thing I do within ham radio. What I love about ham radio, and what I love about CW, is all still there, perhaps more alive than ever, bolstered by all the enthusiasm I see about people taking tests and learning more about ham radio. They are building and buying and operating in record numbers.

Somehow, in thinking about this enough to write this post, our differences do not seem big enough to argue about, but our common bonds seem strong enough to be cause to celebrate. Let's celebrate each other in the fellowship that has made the QRP community strong enough to move mountains and to bring back the magic that otherwise would have faded for so many!

73,
Ed Hare, W1RFI

Date: Tue, 18 Apr 2000 17:16:42 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68154] SST - Extending 20M Frequency Range
Message-ID: <00f001bfa97b\$6619c660\$0e230e3f@paulc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have just completed the 20-meter version of the SST and I would be interested in hearing directly from those who have successfully extended the 20-meter SST's frequency range by doubling the VXO crystal and changing the value of RFC-3. Specifically, I am looking for a value of RFC-3 that will extend the range as much as possible, while switching between the two included varactor diodes and also retaining a reasonable degree of thermal stability. Thanks!

-Paul, W9AC

Date: Tue, 18 Apr 2000 17:20:53 EDT
From: K2UD@aol.com

To: k0hb@arrl.org
Cc: qrp-1@lehigh.edu
Subject: [68155] Re: [CW] Petition to FCC - Reclassify Extra
Message-ID: <d3.342d28e.262e2bb5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

You forgot Extra fraud. That is Extra with a medical waiver for the 20wpm. You know, those who can run 5wpm but don't have the intestinal fortitude to pass 20wpm for some unproven medical reason.

72

Howard Kraus, K2UD

Date: Tue, 18 Apr 2000 14:24:53 -0700
From: Allan G Taylor <agtaylor@llnl.gov>
To: victor@brecnet.com, qrp-1@lehigh.edu
Subject: [68156] Re: Trail Friendly Qrp Rig
Message-ID: <38FCD2A5.1FAB@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The classic rig for such is the NC40A (available from Wilderness Radio as a kit: \$139). Another two rigs to consider are the SST (\$85, WR again) and the SW40+ from Small Wonder Labs. (\$55+~\$30 for the case). All three of these are relatively small, easy to build, and quite sensitive. Low current drain on receive (~20mA or less for all 3) and efficient TX (exacat current varies!) These rigs, being NE602-based, will NOT perform well in a serious contest, but do well in their design turf: efficient and light backpacking rigs. The smallest of the three is the SST. The weakest, again, is the SST (low overall RX gain...may or may not be a problem for you...depends on your hearing loss!) Many prefer the SW40 (SW-** series) but I insist on both a wide rx range and RIT in a 40m rig whereas I can forego those on 20m. The most reliable band for backcountry contacts is 40m. Plan on that.

Rigs I would NOT recommend (for various reasons given) are: any OHR rig (too big, only moderate rx current), TT QRP rigs (too high rx current), Emtech NW series (too big, case not dust-tight), RedHot Radio rigs (way too high rx current for backpacking altho the case is extraordinary), Elecraft K2 (too high rx current, too big),etc. I have left out many options but they all fail the backpackers requirements test.

The Wilderness Radio Sierra is in-between as a compromise choice. One can cover several bands with a single box to carry. Rx current drain is marginally ok at ~35 mA. Size is marginally OK. My preference is to carry two much smaller rigs that are more easily distributed in the backpack than a single larger lump to stow.

My rig complement for the 8-day Sierra Nevada backpack trip this August will be a NC40A for 40m and an SST/20m for 20m.

73

K7GT

--

Allan Taylor K7GT agtaylor@llnl.gov

Date: Tue, 18 Apr 2000 17:25:34 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68157] KITS: Make Your Own Walkie-Talkie
Message-ID: <38FCD2CE.6405A710@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My son and I made these up about 3 years ago (he was 9 at the time). Most critical components are mounted on a small (3 X 3 in) board. Several are attached by the builder--the manual describes a process of making a mechanical connection and then using scotch-tape to insulate. Works on 49.860 Mghz.

Nice kit with good explanations in the manual. The housings are pretty weak, limiting their effectiveness for play, and even handheld use. It does have a nice big button for cw and two cardboard guides to the basic alphabet, allowing the thrill of coded transmissions. Its the kind of thing a qrp'er & kid could have much fun remounting in a smaller package.

We spent about \$14 for it at a Sam's special. At the remaindered price, it's a good bargain and a dandy code trainer for kids they can "build" themselves.

Ken Hoglund
KG4FGC

Date: Tue, 18 Apr 2000 14:56:21 -0700
From: "K7FD" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68158] Re: Trail Friendly Qrp Rig
Message-ID: <001101bfa980\$efcc12a0\$a78c80a7@lincoln.k12.or.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> My rig complement for the 8-day Sierra Nevada backpack trip this
> August will be a NC40A for 40m and an SST/20m for 20m.
>
> 73
>
> K7GT

I'm right in the middle of building the NC40a for the exact reasons Allan pointed out. My K2 is fabulous, but nothing I'd want to haul to the field. So far construction of the NC40a is gold-plated N6KR all the way...just like the K2...easy and precise.

Best 72, John K7FD

Date: Tue, 18 Apr 2000 18:02:53 -0400
From: John AE5X <ae5x@juno.com>
To: victor@brechnet.com
Cc: qrp-1@Lehigh.EDU
Subject: [68159] Re: Trail Friendly Qrp Rig
Message-ID: <20000418.180254.14342.0.ae5x@juno.com>

Hi Vic,

I've taken several rigs backpacking and the NC40A is the Top Dog from my experience. Wide freq coverage, low current drain and compact size are the main reasons. The innards are easily accessible with the snap-off cover - I keep a reduced-sized copy of the alignment procedures and a sawed off tweaker inside but have never needed to bother with them on the trail.

Weights and other specs of various QRP rigs are posted on my page, if you're interested in comparing some of them.

72,

John Harper, AE5X
HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20
Outdoor QRP <http://www.qsl.net/ae5x>

On Tue, 18 Apr 2000 16:31:07 -0400 "Victor Blackwell"
<victor@brechnet.com> writes:
>Hello all,
>
>Can someone recommend a "Trail Friendly" qrp rig for my backpacking
>and
>other portable/battery operations? Cw, of course.
>
>Vic AD8K/qrp
>

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 18 Apr 2000 15:06:25 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [68160] Re:Trail Friendly QRP.
Message-ID: <38FCDC61.63ADBEB9@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Uh Oh, I'm getting worked up on this.

Take whatever you can carry. Take what is
a pleasure to use.

I'm tired of hearing about how small and
lightweight a trail friendly rig is and
then finding it nestled next to boxes
of unnecessary ground cushions, donuts,
and just plain crazy camping stuff. A chair?

If I owned a K2, I'd bring it anywhere. And a 7 AHR battery too! I brought TWO 7 AHR batteries, an OHR-100, a GM-20 and my vibroplex bug on the 6 day/nite Yosemite trip and it was no problem.

Heck, there was enough juice in the batteries to power a go-bike home!

You want trail friendly? Go for:
impervious to failure due to great dust/moisture immunity. No external parts that will break.
GREAT shock resistance.

I like gettting from point A to B in style.

Harumph!

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Tue, 18 Apr 2000 15:09:53 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [68161] Re: Trail Friendly QRP.
Message-ID: <38FCDD31.FA5AE7B2@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Where's the wouff-houng?

I brought the Black Widow pole up there to Yosemite too. And these hiking boots ain't some cheap tenny-runners with foam inserts and cute little logos on 'em.

Either!

Get rugged, carry the weight you need and live off the land.

Go in style and don't settle for some "Rig-Size" requirement.

72/Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
http://www.qsl.net/we6w Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Tue, 18 Apr 2000 16:12:01 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-l@lehigh.edu
Subject: [68162] Re: Sad Day
Message-ID: <38FCDDb1.ADF87C18@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good Point Monte - and well taken. Thanks.

--

"The more I see of the representatives of the people, the more I
admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

Date: Tue, 18 Apr 2000 18:17:28 EDT
From: Wb8siw@aol.com
To: rerobins@email.uncc.edu
Cc: qrp-l@lehigh.edu
Subject: [68163] Re: Amazing Price
Message-ID: <c9.394681b.262e38f8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 04/18/2000 9:15:40 AM Eastern Daylight Time,
rerobins@email.uncc.edu writes:

<< There is absolutely no end to the eBay madness. Better cash in on our junk
while we can.

72,

Rick kf4ar >>

ROFL....Yes, Rick. Let's all get rich while there are still suckers

around....It's like the Florida Land Boom of the '20s! hi.

73, Jim

Date: Tue, 18 Apr 2000 18:35:19 EDT
From: Wb8siw@aol.com
To: w5yr@att.net, qrp-1@lehigh.edu
Subject: [68164] Re: Royal Order of Wouff Hong
Message-ID: <bb.2846ca0.262e3d27@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

I thought some of you might enjoy this little article I put together for an=20
issue of "Net News" (the Michigan QMN Net Newsletter) a while back.....might=
=20
give some insight into the Royal Order of Wouff Hong. Credit for much of th=
e=20
story goes to early QSTs as well as an early Michigan Publication entitled=20
"Michigan Radioist."

73, Jim WB8SIW

Did you know that Amateur Radio has a secret society? Not quite as big or a=
s=20
well known as the Masons or the Odd Fellows, the Royal Order of Wouff-Hong i=
s=20
nonetheless a fun part of the history of Amateur Radio. Not only that, did=20
you know it was founded here in Flint, Michigan?=20
=20

The 1920s was a time of explosive growth in Amateur Radio. The opening of=20
the Shortwaves to international radio communications combined with a vast=20
interest in radio generated amongst the public through the new concept of=20
=93broadcasting,=94 was swelling the ranks with thousands of new radio amate=
urs. =20

At the same time, hundreds of thousands of Americans were discovering=20
fraternal organizations, many of which were loosely patterned on the secret=20
initiation =93rituals=94 of Freemasonry. Many an old-timer remembers when t=
he K=20
of P, K of C, IOOF, and F & AM were=20
household words.=20
=20

Hiram Maxim, writing in QST Magazine under the Pseudonym =93The Old Man=94 h=
ad=20
recently described an instrument of torture called the =93Wouff-Hong.=94 It=

was=20
The Old Man=92s suggestion that this horrible instrument be used on the vari=20
ous=20
=93lids=94 (poor operators) who were cluttering up the bands with poor signa=20
ls=20
and rotten technique. This article in QST would ultimately inspired a group=20
=20
of Flint, Michigan Amateurs to create the secret society knows as the =93Roy=20
al=20
Order of Wouff Hong.=94=20
=20
On a cold January evening in 1922, the Flint, Michigan Amateurs were putting=20
=20
together the final plans for the Second Michigan Annual ARRL Convention. As=20
=20
luck would have it, the usual arguments were occurring, the registrations=20
weren=92t coming in, money was short, and the convention committee members w=20
ere=20
ready to =93kill each other.=94 It was at this point that someone suggested=20
that=20
the convention needed a =93special feature=94 to attract more participants.=20=
=20
Suggestions ranged from a balloon launch to =93burning a ham at the stake,=
=94=20
none of which met with general approval.=20
=20
As the committee members continued to argue, Frank Fallain (8ZH) suddenly=20
suggested that an =93initiation=94 be put on. It seemed that in his younger=20
=20
years, Fallain had helped create an organization called the =93Ancient Order=20
of=20
Mop Handles,=94 and best of all, he still had most of the ritual written dow=20
n=20
and intact! When the old ritual was =93dug-up,=94 many of those present arg=20
ued=20
that there was no way they could learn it in time for the next day=92s=20
convention. Fortunately, around 2AM, one of the members convinced everyone=20
to give it a try.=20
=20
By the next day, everyone had a copy of the ritual and began to study it, bu=20
t=20
a problem arose: =93What do Mop Handles have to do with radio?=94 someone as=20
ked. =20
It was a good point. Another suggested =93Boiled Owls,=94 but the committee=20
=20
thought it too =93old.=94 Other ideas were defeated one after the other. T=20
hen,=20
someone remembered the article in QST about the =93Wouff-Hong!=94 =93That=

=92s it!=94=20

everyone exclaimed, and the =93Royal Order of Wouff Hong=94 was born.=20

=20

The day of the convention soon arrived, things were going quite well, and as=

=20

midnight=20

approached it was time for the big ceremony. The doors to the inner sanctum=

=20

were opened, the delegates entered, and the initiation began (52 declined=20 simply at the thought of the the instrument of torture). There was one smal=

l=20

problem however; no Bible! Fortunately, the Sears Catalog was handy and=20

Fritz Lathrop of Detroit, the first candidate, never knew the difference! =20

>From here, things seemed to go from bad to worse. The officers forgot their=

=20

lines. No one knew where to stand, and the=20

improvisation flowed freely. However, when it was over, the delegates had=20

been initiated and, to everyone=92s surprise, no one seemed to know the=20

difference. The Royal Order of Wouff-Hong was a success.=20

=20

After the event, Fred Schnell of ARRL Headquarters and RHG Matthews (Central=

=20

Division Director) agreed the ceremony was OK, but only if worked on and mad=

e=20

more solemn and dignified, could it become a national order for the ARRL. =20

Furthermore, it was agreed that a proper initiation should be put on at the=20

Second National ARRL Convention at Chicago in 1923. =20

=20

The Michigan gang worked for months, revising the ritual again and again=20

until they were sure they had things right. Numerous rehearsals were held,=20

robes and fraternal paraphernalia were procured, and by the time the big=20

convention in Chicago commenced, the Michigan group was ready to go. A smal=

l=20

glitch occurred when the Michigan Central Railroad misplaced the trunks=20

containing the \$1200 dollars worth of robes and parpaphenalia while enroute=20

to Chicago (shades of Amtrak?). Fortunately, the day was saved when a=20

Chicago Amateur grabbed a truck and driver, drove to the Station at=20

high-speed, broke all the traffic laws, and returned just in time for the=20

=93Night of Mystery.=94=20

=20

The Initiation went flawlessly! =93A big success=94 everyone agreed. The A=

RRL=20

insisted that By-Laws and Rules be created to make the ROWH a permanent=20

fixture in the League=92s affairs. After several revisions and much=20

correspondence with Hartford (the League=92s original home), the ROWH was=20

formally recognized at the Board Meeting of October 7, 1922.=20

=20

Today, few of our new radio amateurs have ever heard of the Wouff-Hong, let=20

alone the exalted secret society which bears its name. This is undoubtedly=20=
a=20
shame, for many would agree that the time has come to dust off this=20
instrument and put it to work in the dark alleys and dens of depravity in=20
which some of today=92s operating practices take place. Of course, to do so=
=20
requires a loyal army of those souls sworn to uphold order and decorum in th=
e=20
Amateur Service. Where better to find these Amateurs than in the ranks of=20
the ROWH. Might it be time for a revival? =20

Date: Tue, 18 Apr 2000 18:53:18 EDT
From: Drbob92031@aol.com
To: qrp-l@lehigh.edu
Subject: [68165] Tyvek
Message-ID: <7b.31a12a0.262e415e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Been reading about Tyvek. Yes, a construction site will have loads of it. You just have to be ready to go dumpster diving. You can walk away with more than you will ever use. Another source is the US Postal Service. Those over night paper envelopes are all Tyvek. Gives one ideas.

#####BEWARE#####

There can be a very potent static charge built up on a sky wire such as this. SUGGESTION: bleed off any charge thru a 10K carbon resistor to Gnd. You can put a flash light bulb in series with the 10K and watch it blink on and off. Looks nice; but also lets you know that you are getting rid of that static build up. It can reach damaging concentrations if the wire is long enough and the atmospheric conditions are right for the static build up. Damaging to the rig and the operator. I do not recall the formula but when I saw it worked out my eyes bugged out. Pays to be on the safe side.

Back to the kite concept. Instead of a big sled, you can make a smaller box kite with PO Tyvek (post office) and it can pull a wire fairly high and up. Be careful or you may get hooked into mini kite making like I was. Now I fly the things on sewing thread and make them from note paper sized sections of Tyvek. You would be surprised at what things can fly by using just Tyvek, drinking straws and sewing thread + some double sided tape.

72/73 de WA2EAW..Bob

End of QRP-L Digest 1795

